

Atlantic Richfield Company

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March 3, 2015

CERTIFIED – RETURN RECEIPT REQUESTED

Mr. Dave Seter
Remedial Project Manager
U.S. Environmental Protection Agency Region 9
75 Hawthorne Street, SFD-9-1
San Francisco, CA 94105

**Subject: February 2015 Monthly Report, Yerington Mine Site, Lyon County, Nevada:
Administrative Order for Remedial Investigation and Feasibility Study (RI/FS),
CERCLA Docket No. 9-2007-0005; Administrative Order on Consent, CERCLA
Docket No. 09-2009-0010**

Dear Mr. Seter:

Pursuant to the above referenced orders issued by the U.S. Environmental Protection Agency - Region 9 (EPA), Atlantic Richfield Company (ARC) has prepared this February 2015 monthly report for RI/FS and Operations and Maintenance (O&M) activities at the Yerington Mine Site (Site).

February 2015 Activities

Site Security and O&M Activities

- Continued Site O&M, security and bird deterrent activities. Cameras at various locations (e.g., Main and Arimetco gates, entrances to buildings) indicated no activity of concern.
- Wind dancers, bird deterrent flags, Wetland Wailer signs and Bird Gard towers continued to be deployed in accordance with the current EPA-approved bird mitigation approach. Balloons remained in place over FMS Evaporation Ponds B and C. To reduce birds from becoming habituated to wind dancers and flags, these devices were re-located as needed. Bird Gard towers 'A', 'B' and 'C' remained in operation during February.
- Reflective mylar bird mitigation devices were deployed at the Slot pond, VLT pond and on three bird mitigation flags.
- Continued the EPA-approved bird mitigation schedule, with at least three monitoring visits per day at all ponds plus a fourth monitoring visit at the Arimetco FMS ponds. Observations were made within half an hour of dawn and dusk, with the other visit(s) conducted mid-day.
- PWS Pond water levels: North Cell = 0.0 feet; Middle Cell = 0.0 feet; South Cell = 0.0 feet.
- Arimetco FMS pond levels: Phase 1 Pond = 4.22 feet; FMS Evaporation Pond A = 9.11 feet; FMS Evaporation Pond B = 4.48 feet; FMS Evaporation Pond C = 5.24 feet; VLT Pond = 11.95 feet; Slot Pond = 17.07 feet. The freeboard level in FMS Evaporation Pond A on February 27 was approximately 1.04 feet. See attached monitoring data.
- Approximately 18,014 gallons of solution were pumped from the leak detectors including 5,730 gallons from the VLT Pond, 1,200 gallons from FMS Evaporation Pond B and 7,138 gallons from the Slot Pond (by the end of February, the leak detector at FMS Evaporation Pond B became inactive). A total of approximately 45,118 gallons of solution were pumped from the leak detectors since January 1, 2015. See attached monitoring data.

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February 2015 Activities - Continued

Site Security and O&M Activities - Continued

- A high wind event with sustained winds of approximately 45+ mph and gusts estimated to exceed approximately 60 mph occurred on February 6. This wind event caused some damage to a power pole on the north side of the Site. An exclusion zone was set up to prevent any personnel from accidentally entering the hazard area and appropriate notifications were made.
- Fawcett Electric set up an emergency generator at the sample support building on February 6, and installed additional generators on February 9 to provide power to bird deterrent devices, monitoring equipment and leak detectors at the VLT Pond and the FMS Evaporation Ponds.
- On February 10, Fawcett Electric and Desert Engineering repaired the broken power pole by installing a stub next to the broken pole and bolting the poles together.
- Desert Engineering consolidated drums with petroleum contaminated soil prior to shipment off the Site. Belshire Transport personnel were on the Site on February 19 to load the drums for shipment to a disposal facility near Beatty, Nevada.
- Continued to work on: 1) a final draft report on the 2,400 Volt North Burch Distribution Service Line; 2) a final draft report for FMS Pump Operations and Modifications; 3) a final draft report for FMS Liner Inspections; and 4) the 2014 Annual FMS Site O&M Report.

Site Characterization Activities

- Site-wide monthly groundwater elevation measurements for all monitor wells were obtained on February 23-25.
- A Pit Lake water elevation of 4,232.83 feet amsl was recorded on February 23 from the pressure transducer, an increase of 0.37 feet since January 23, 2015. The pit lake elevation has risen 1.66 feet since January 23, 2014.
- No changes to the Bottled Water or Domestic Well Monitoring Programs in February.
- Continued the compilation of data for inclusion in the 2014 Annual GMR and the 2014 Annual Domestic Well Monitoring Report (DWMR).
- Performed the 1Q 2015 groundwater monitoring event on February 2-23.
- Prepared for the 1Q 2015 domestic well monitoring event.
- Transmitted the Technical Memorandum "Supplemental Materials Associated with Responses to Comments on Groundwater Flow Model Report" on February 3.
- Continued the compilation of field and laboratory data for inclusion in the data summary report (DSR) for the supplemental monitor well installation program.
- Continued to evaluate the bids from three qualified drilling contractors for the groundwater and vadose zone characterization work to be performed around the Evaporation Ponds.
- Continued development of a petroleum contaminated soils closure plan for the Process Areas.
- Participated in a conference call to discuss Wabuska Drain (OU-7) RI elements on February 18.
- Continued the evaluation of bedrock groundwater data to support a Bedrock RI Work Plan.
- Routine database management activities in support of Site investigations and monitoring.

Planned March/April 2015 Activities

Site Security and O&M Activities

- Continue routine Site O&M, security and bird deterrent activities using the bird migration season patrol schedule beginning March 2.
- Complete the compilation of data for inclusion in, and transmit, the Annual FMS O&M Report.
- Prepare the Annual 2014 Summary of Bird Mortalities for USFWS.

Site Characterization Activities

- Continue groundwater elevation and pit lake level measurements, and meteorological monitoring.
- Continue the Bottled Water Program.
- Perform the 1Q 2015 domestic well monitoring event in March.

Planned March/April 2015 Activities - Continued

Site Characterization Activities - Continued

- Continue the compilation of data for inclusion in the 2014 Annual GMR and DWMR, and transmit the Annual DWMR in March.
- Continue discussions with EPA regarding the proposed parameter reduction list for routine quarterly groundwater sampling.
- Continue work on the Supplemental Monitor Well Installation DSR, and transmit the DSR in April.
- Continue work on OU-1 related activities including the Bedrock Groundwater RI Work Plan and the Background Groundwater Work Plan.
- Continue to review drilling contractor bids and select a driller to implement groundwater characterization activities around the Evaporation Ponds.
- Continue discussions with EPA regarding the OU-1 and OU-3 HHRA's.
- Continue to develop a petroleum contaminated soils closure plan for the Process Areas.
- Participate in a meeting on March 26 to discuss the DQOs and work scopes for the Wabuska Drain (OU-7) RI.
- Participate in a technical call on April 8 to discuss OU-1 groundwater flow modeling and the Geochemical Characterization DSR.

Please contact me at (714) 228-6774 or via e-mail at jack.oman@bp.com if you have any questions or comments about the February 2015 monthly report.

Sincerely,



Jack Oman
Project Manager

Attachment

cc: Harry Ball, EPA – via electronic mail
Dante Rodriguez, EPA – via electronic mail
Andrew Helmlinger, EPA – via electronic mail
Tom Dunkelman, EPA – via electronic mail
Jeff Collins, NDEP – via electronic mail
Jeryl Gardner, NDEP – via electronic mail
Tom Olsen, BLM – via electronic mail
Dan Newell, City of Yerington – via electronic mail
Phyllis Hunewill – via electronic mail
Virgil Arellano, Lyon County Commissioner – via electronic mail
Rob Loveberg, Lyon County Planning Department – via electronic mail
Tom Grady, Nevada State Assembly – via electronic mail
Chairwoman Howard, YPT – via electronic mail
Ginny Hatch, YPT – via electronic mail
Deborah Dunn, YPT – via electronic mail
Dietrick McGinnis, McGinnis and Associates – via electronic mail
Tom Bowden, Ridolfi, Inc. – via electronic mail
Chairwoman McFalls, WRPT – via electronic mail
Tad Williams, WRPT – via electronic mail
Ron Halsey, Atlantic Richfield Company – via electronic mail
James Nolan, Atlantic Richfield Company – via electronic mail
Patricia Gallery, Atlantic Richfield Company – via electronic mail
Brian Johnson, Atlantic Richfield Company – via electronic mail

John Batchelder, EnviroSolve – via electronic mail
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John McMillan, CBI – via electronic mail
Julian Isham, CBI – via electronic mail
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Colin Lee, Tetra Tech – via electronic mail
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